

WEST COUNTY ROAD 112 (MIDLAND COUNTY) MIDLAND, TEXAS

EPA REGION 6
CONGRESSIONAL
DISTRICT 11

EPA ID# TXN000606992
Site ID: 0606992

Contact: Vincent Malott
214-665-8313

Last Updated: October 2012

Background

The West County Road 112 Ground Water site is a ground water plume of chromium/hexavalent chromium located in a rural area of Midland County, Texas immediately to the southwest of the city limits of Midland. The center of the site is designated as 2601 West County Road 112, Midland, Texas. The site plume currently extends 1 ¼ miles from the center of the site and is situated under approximately 260 acres. The site was identified in April 2009 by a local resident who asked the TCEQ to test his private well due to yellow discoloration. Sampling of this well revealed the presence of 5,280 ppb of hexavalent chromium. TCEQ has installed water filtration systems at homes where total chromium has been detected above the MCLs.



Current Status

A third round of monitoring well installation was completed the week of May 14, 2012, at the well locations marked with a purple square in the figure above. The monitoring wells were developed the week of May 21, 2012, and were sampled during the week of June 18, 2012. A site-wide ground water sampling event

was also completed for the private wells and existing monitoring wells from June 4 – 22, 2012. All of the laboratory data was received by the end of August and letters with the sample results were mailed out to the private well owners.

The second round of monitoring well installation was completed in December 2011 and focused on the presence of chromium in the ground water immediately north of the Interstate 20 corridor. Six well locations were completed along the service road easement on the north side of I-20 (WMW-27, 29, 31, 32, 33, and 34). The site figure provided on page 1 illustrates the approximate locations of the new monitoring wells completed in December 2011. The new monitoring wells, and a few of the existing monitoring wells, were sampled the week of January 2nd 2012. Samples were analyzed for total metals and volatile organic chemicals (VOCs). The preliminary chromium data from the January 2012 sampling is presented in purple below the number of the well in the figure above.

EPA completed installation of 21 monitoring well couplets in May 2011, and completed sampling of the new wells the week of June 20, 2011. Letters to residents with the data collected in April and May 2011 were mailed in August.

Benefits

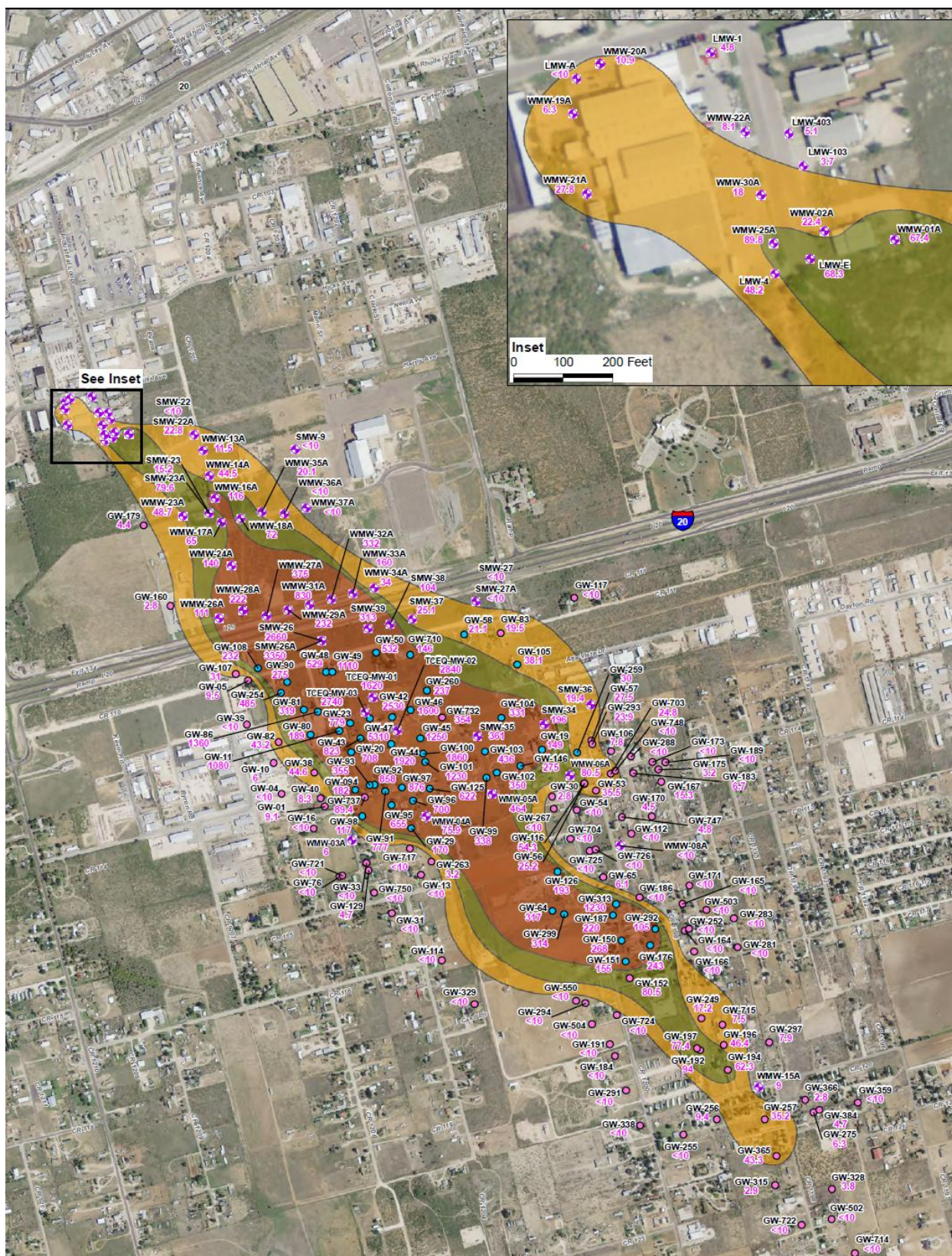
Without identification and investigation of the source of ground water contamination and remediation of the contaminated ground water plume, the remaining public supply and private wells will be contaminated. Other federal and state cleanup programs were evaluated but are not viable at this time.

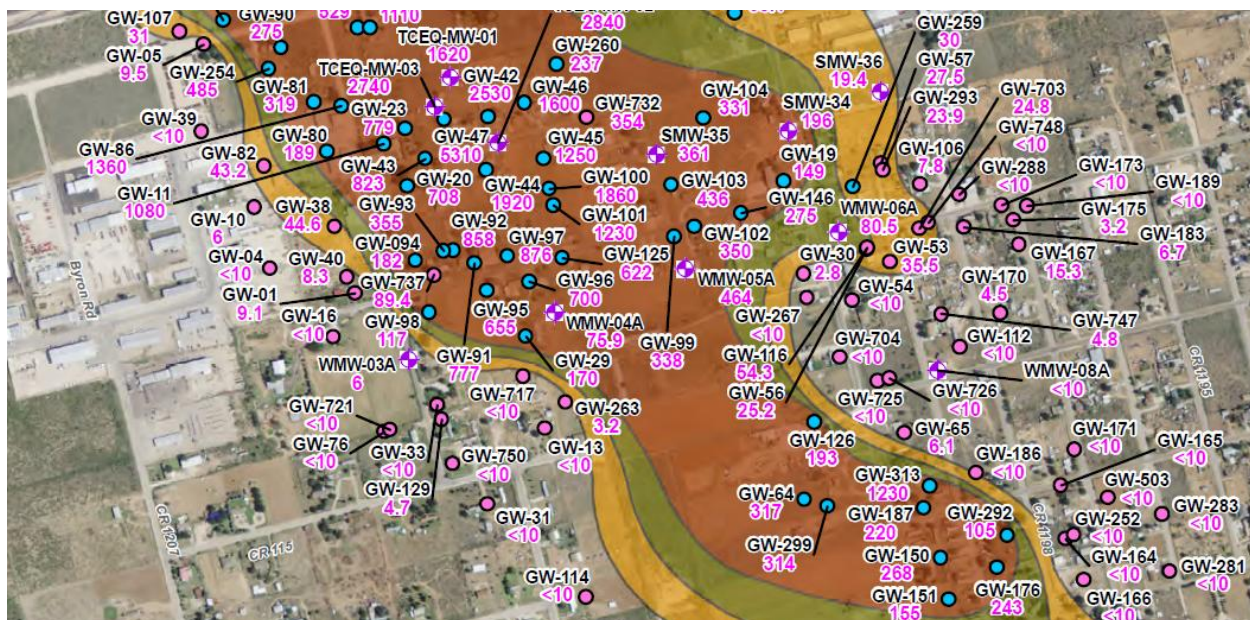
National Priorities Listing (NPL) History

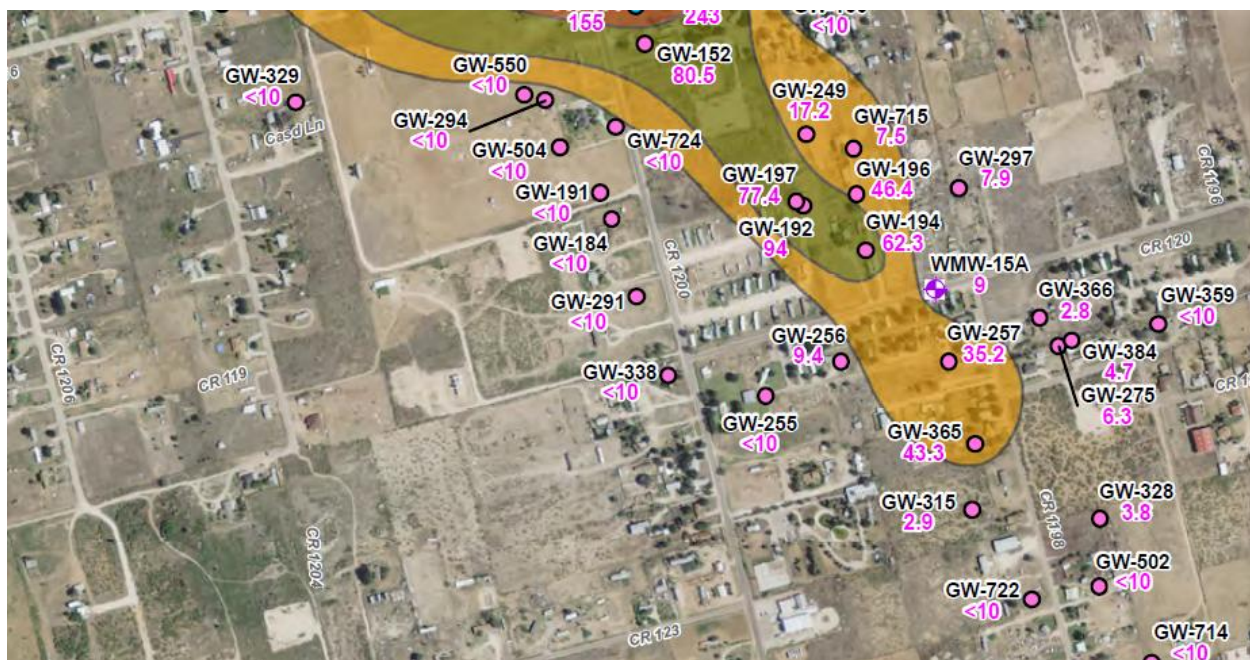
| | |
|------------------------------|------------------|
| NPL Inclusion Proposal Date: | October 21, 2010 |
| NPL Inclusion Final Date: | March 10, 2011 |

Site Map

The following figures illustrate the concentrations of total chromium in the Ogallala aquifer based on the results of sampling conducted in April, May, and June 2011. The map area with the dark brown color illustrates the site area with chromium concentrations exceeding the drinking water limit of 100 micrograms per liter.







Wastes and Volumes

The site is being investigated as a ground water plume of chromium/hexavalent chromium with no identified source. Concentrations of chromium in the wells are as high as 5,280 ppb.

Health Considerations

Forty-six residential wells have chromium contamination above MCLs, in some cases more than ten times the MCL. Until the source has been identified and controlled, the plume will continue to contaminate remaining private and public wells. The drinking water wells in the contaminated aquifer are the only source of water for these residents, who have been drinking the water as well as using it for other consumptive purposes. The TCEQ has installed treatment systems on wells that have been identified with hexavalent chromium concentrations exceeding MCL. TCEQ is providing the systems and maintenance at no costs to the residents.

Record of Decision (ROD)

A Record of Decision will be issued following completion of the Remedial Investigation/Feasibility Study and an opportunity for the community and interested parties to review the data and comment on the preferred remedy identified by the EPA.

Community Involvement

Community meetings were held on April 12, 2011, and August 23, 2011, to review the current data, EPA's plan for investigating the site, as well as a schedule of upcoming activities. A follow-up community meeting will be scheduled to present the results of the combined April, May, and June sampling events, and the locations for the next round of monitoring well installation.

Local Information Repository: Midland County Public Library in Midland, Texas

Site Contacts

| | | |
|--|------------------|----------------|
| EPA Remedial Project Manager: | Vincent Malott | 214-665-8313 |
| EPA Community Involvement Coordinator | June Hoey | 214-665-8522 |
| EPA Site Attorney: | Marvin Benton | 214-665-3190 |
| EPA Regional Public Liaison: | Donn R. Walters | 214-665-6483 |
| TCEQ Project Manager | Danielle Sattman | 512-239-0158 |
| EPA Superfund Region 6 Toll Free Number: | | 1-800-533-3508 |